

# The Business End of Initial Data Processing and QA

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Performance Measures

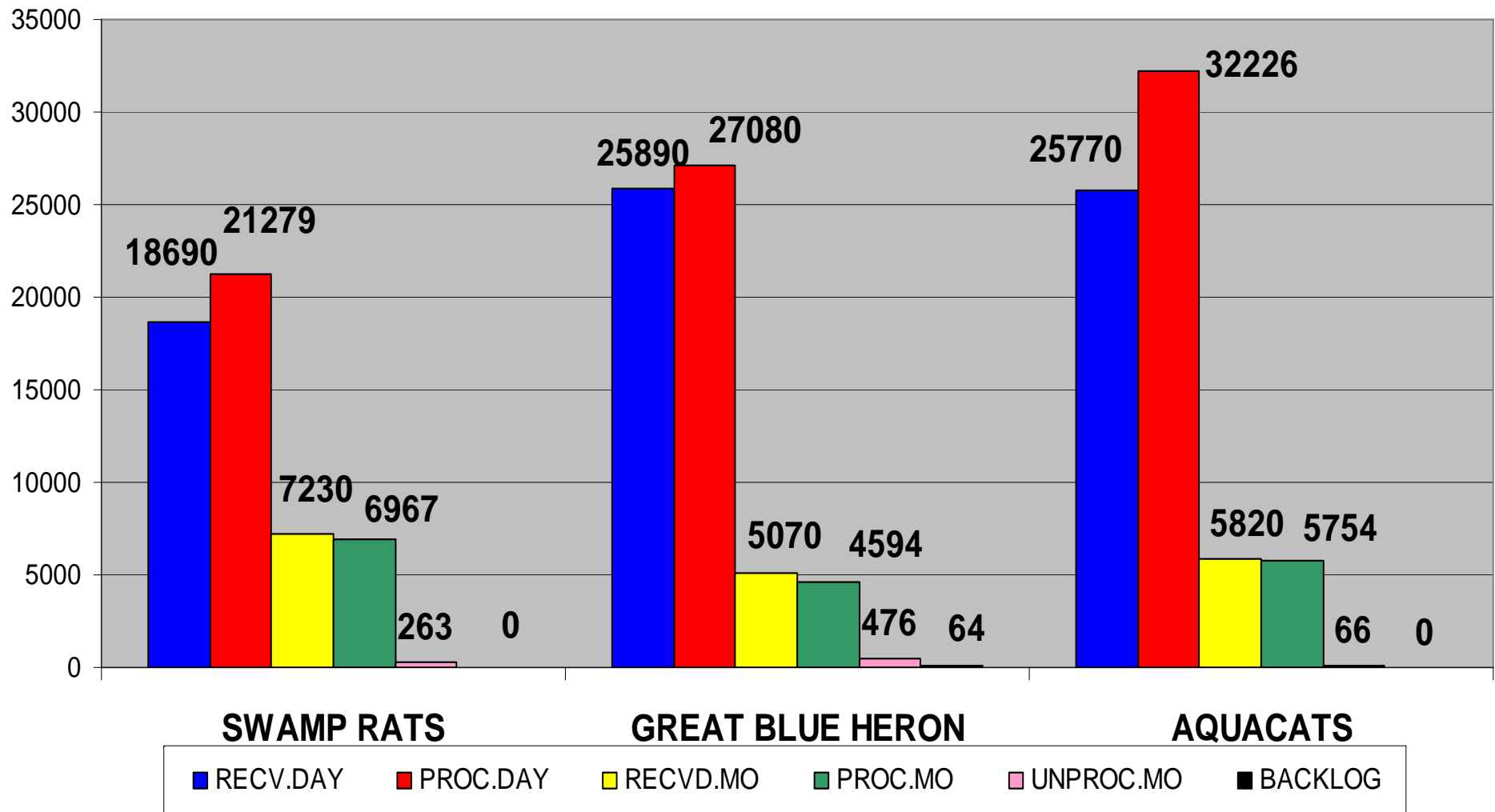
Model Simulation

Estimating Cost

Strategic Planning

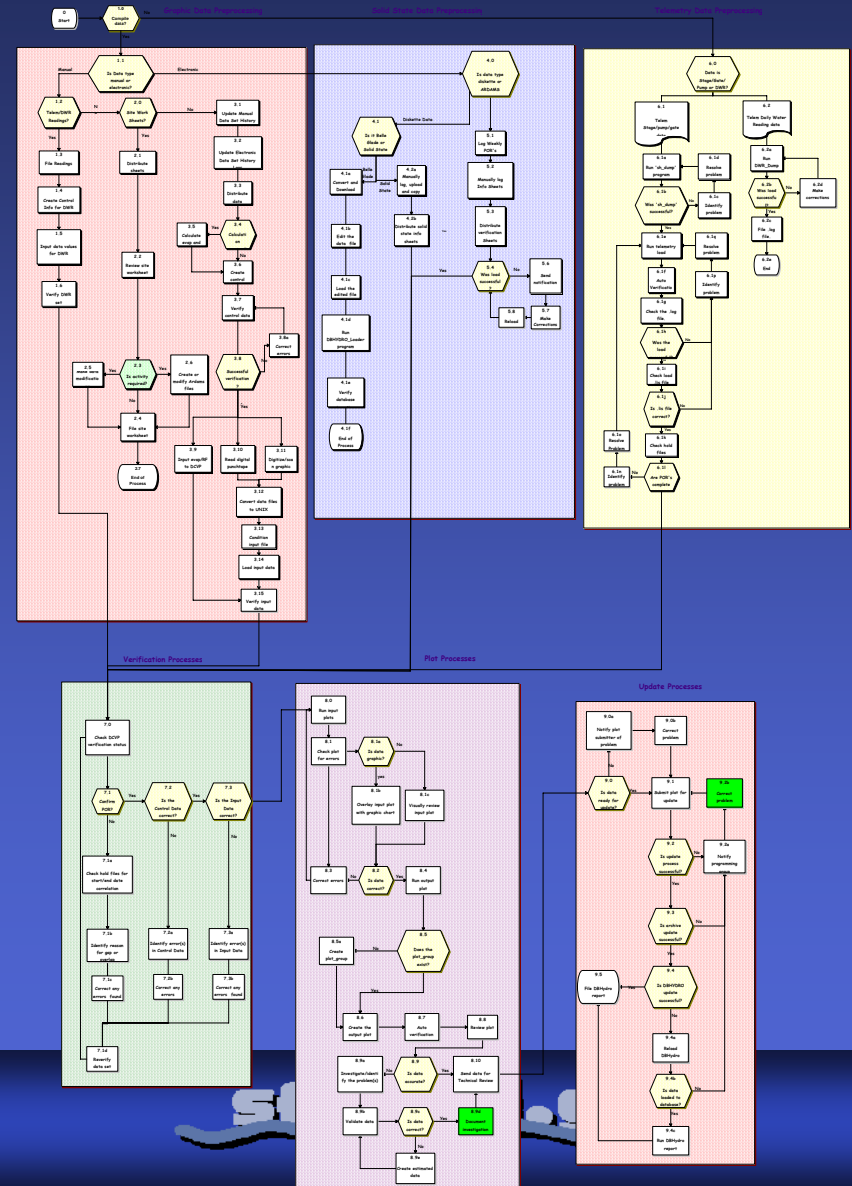
# Performance Measurement Tools

Data Processing Status, January 2004



# Model Simulation

- Simulate activity for 30-days
- Time survey and financial data
- Identified process inhibitors
- Eliminate redundancy and (NVA) non-value-adding processes
- Cost estimation

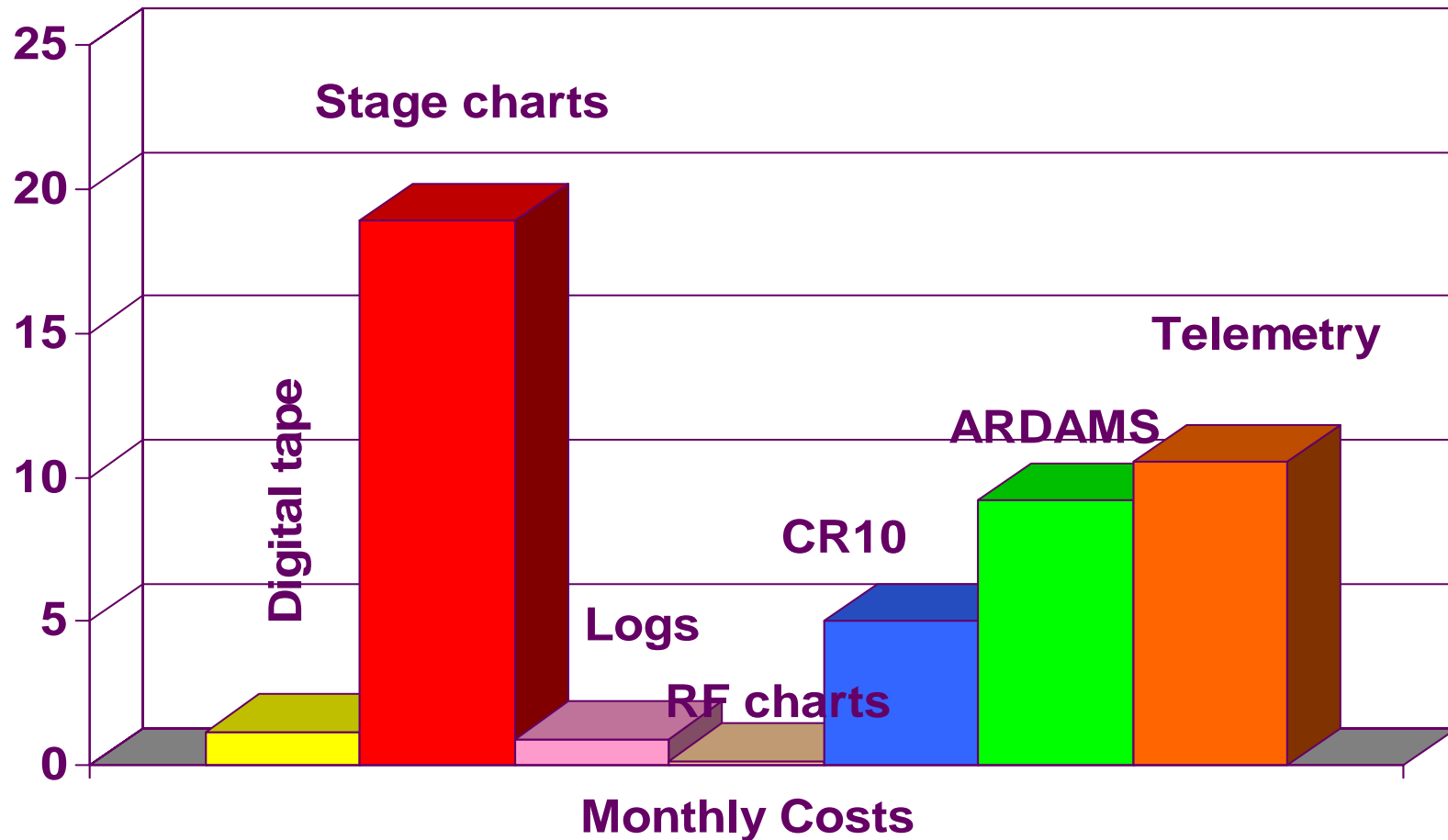


# Estimating Costs

	Costs	
Manual Data Processes	Estimated	Actual
Digital Tape	\$ 2,011	\$ 1,171
Stage Chart	\$ 22,404	\$ 18,905
Logs - Rf, Operations	\$ 4,104	\$ 916
Rainfall Chart	\$ 375	\$ 151
Total Costs	\$ 28,894	\$ 21,143
Process Blockages	140	40
Average Unit Cost	\$ 425	\$ 311
	Costs	
Electronic Data Processes	Estimated	Actual
CR10 Data	\$ 5,923	\$ 5,012
ARDAMS Electronic Data	\$ 8,554	\$ 9,218
Telemetry Electronic Data	\$ 23,613	\$ 23,738
Total Costs	\$ 38,090	\$ 37,968
Process Blockages	20	8
Average Unit Cost	\$ 61	\$ 61

# Cost Comparison for Key Processes

in \$1000



# Strategic Planning

## ■ Strengths

- Continuous process improvement
- Customer service

## ■ Shortcomings

- Stale technology
- Incomplete control of quality

## ■ Opportunities

- Near real time data from WMSS
- Data processed by exception

## ■ Challenges

- Increased demand on limited resources
- Find better technology